ABSTRACT OF THE INVENTION

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Disclosed is a pharmaceutical composition including a therapeutic quantity of a COX-2 inhibitor having an IC50-WHMA COX-2/COX-1 ratio ranging from about 0.23 to about 3.33 with reduced gastrointestinal and cardiovascular toxicity. Also disclosed are methods for treating osteoarthritis, rheumatoid arthritis or acute pain with less side-effects and faster onset of action utilizing the disclosed pharmaceutical composition.